

AMENDMENT TO THE CLAIMS

1. (currently amended) A compressor valve assembly, comprising:
a valve plate having a refrigerant discharging hole;
a discharging valve having one end that is settled at the valve plate for opening and closing the refrigerant discharging hole;
a keeper, placed above the discharging valve, having one end that is connected with the valve plate with the discharging valve for limiting lift (opening range) of the discharging valve; and
a bead protruded for a predetermined width and height at a lower side of the keeper, the bead held in contact with the discharging valve when the valve is in an open and a closed position.

2. (original) The compressor valve assembly of claim 1, wherein the bead is spaced for a predetermined length from a center of a connection member connecting the each settled end of the discharging valve and the keeper with the valve plate in direction of the refrigerant discharging hole.

3. (currently amended) The compressor valve assembly of claim 2, wherein the lift of the discharging valve is determined from a below expression:

$$L = D_2 \cdot \frac{H}{D_1}$$

~~Herewhere,~~ L is the lift of the discharging valve, D1 is a distance from end of the settled end of the keeper to center of the bead, D2 is a distance from end of the settled end of the keeper to center of the refrigerant discharging hole, and H is a height of the bead.

4. (original) The compressor valve assembly of claim 2, wherein when the height of the bead is 0.1 to 0.5mm, the lift of the discharging valve is 0.36 to 0.66mm.

5. (original) The compressor valve assembly of claim 4, wherein when the height of the bead is 0.23mm, the lift of the discharging valve is 0.56mm.

6. (original) The compressor valve assembly of claim 5, wherein the width of the bead is 0.5 to 2.0mm.

7. (original) The compressor valve assembly of claim 6, wherein the width of the bead is 1.5mm.